

42390P10393

Amendment to Claims

✓ Please cancel claims 1-5 without prejudice.

Please add the trademark symbol to claims 8, 9 and 16 as follows:

8(Once Amended). The device of claim 7 further comprising a first antenna coupled to an output of the DAC to provide signals for Bluetooth™ and IEEE 802.11b.

9(Once Amended). The device of claim 8 further comprising a second antenna coupled to an input of the ADC to receive Bluetooth™ and IEEE 802.11b signals.

12(Once Amended). A system comprising:
a transmit path to receive transmitter digital data to convert to a transmitter analog signal;
a receive path to receive a receiver analog signal to convert to receiver digital data; and
a cancellation circuit having inputs to receive the transmitter digital data and the receiver digital data and generate an out-of-phase signal that is combined with the receiver analog signal [to inject into the receiver path] to cancel at least a portion of interference from the transmitter path in the receive path.

13(Once Amended). The system of claim 12 further comprising a subtractor circuit having a first input coupled to an output of the cancellation circuit and a second input coupled to receive the receiver analog signal, and an output to provide a signal in the receive path having mitigated interference. [the out-of-phase signal to inject into the receiver path.]

16(Once Amended). The system of claim 12 wherein the receive path further includes:

a first antenna coupled to an output of the DAC to provide Bluetooth™ and IEEE 802.11b signals; and

a second antenna coupled to an input of the ADC to receive signals for Bluetooth™ and IEEE 802.11b.

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18(Once Amended). A method comprising:
converting a first digital value to an analog signal in a transmitter;
converting a signal received by a receiver that contains a portion of the
analog signal as interference to a second digital value; and
processing the first and second digital values to generate [a signal that
mitigates] an out-of-phase signal that is combined with the signal received by
the receiver to mitigate the interference in the signal converted by the receiver.